03-27-06

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TRANSMITTAL

FORM (to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/775,106
Filing Date	February 1, 2001
First Named Inventor	Gerard A. Mourou
Art Unit	1725
Examiner Name	Geoffrey S. Evans
Attorney Docket Number	2115D-000939/DVC

ENCLOSURES (check all that apply)					
Fee Transmittal Form		☐ Drawing(s)		After Allowance Commun Technology Center (TC)	ication to
	I	Licensing-r	elated Papers	Appeal Communication to Appeals and Interference	
Amendment / Reply After Final Affidavits/declaration(s)		Petition		Appeal Communication to (Appeal Notice, Brief, Repl	
		Petition to Convert to a Provisional Application		Proprietary Information	
			ttorney, Revocation Correspondence Address	Status Letter	
Extension of Time	e Request	Terminal D	isclaimer .*	Other Enclosure(s) (please identify below):	
Express Abandonment Request		Request for Refund CD, Number of CD(s)		Check for \$180; HD with % cited reference and return receipt p	es attached;
Information Disclosure Statement					•
Certified Copy of Priority Document(s)		Remarks The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750.			
Response to Missing Parts/ Incomplete Application			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	
Response to Missing Parts under 37 CFR 1.52 or 1.53					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm or Harness, Dickey & Individual name		Attorney Name Linda M. Deschere		Reg. No. 34,811	
Signature					
Date	Date 24 March 06				
		EDTICIOATE (OF TRANSMISSION/MAIL	INC	$\overline{}$

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Linda M. Deschere	Express Mail Label No.	EV 853 855 900 US
Signature	M	Date	24 Mich 06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Small Entity

Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Few pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818)		Complete If Known		
CEE TO ANG	pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		09/775,106	
FEE TRANS	SMITTAL	Filing Date	February 1, 2001	
for FY 2	2006	First Named Inventor	Gerad A. Mourou	
Applicant claims small entity st	tatus. See 37 CFR 1.27	Examiner Name	Geoffrey S. Evans	
	_	Art Unit	1725	
TOTAL AMOUNT OF PAYMENT (\$) 180	Attorney Docket No.	2115D-000939/DVC		
METHOD OF PAYMENT (check	all that apply)			
☐ Check ☐ Credit Card ☐ M	Ioney Order None	Other (please identif	ý):	
☐ Deposit Account Deposit Acco	unt Number:	Deposit Acc	ount Name:	
For the above-identified de	eposit account, the Director is	hereby authorized to:	(check all that apply)	
Charge fee(s) indica	ated below	Cha	rge fee(s) indicated below, except for the filing fee	
Charge any addition Under 37 CFR 1.16	nal fee(s) or underpayments of and 1.17	of fee(s)	dit any overpayments	

FEE CALCULATION

information and authorization on PTO-2038.

	1. BASIC FILING, SEARCH, AND EXAMINATIO	IN FEES	
1	FILING FEES	SEARCH FEES	EXAMINATION FEES

		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee(\$)	<u>Fee(\$)</u>	Fee(\$)	Fee(\$)	Fee(\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

	•	
Fee Description	Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	<u>Fee(\$)</u>		Fee Paid (\$)	360 <u>Multiple De</u> p	180 endent Claims
20 or HP	= <u>0</u> x		=	<u>0</u>	Fee (\$)	Fee Paid (\$)
HP = highest number of	total claims paid for, if gre	eater than 20.				
Indep. Claims	Extra Claims	Fee(\$)		Fee Paid (\$)	 	

- 3 or HP= 0 Х 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Extra Sheets Total Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) = 0 / 50 = (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Information Disclosure Statement <u>180</u>

Registration No. (Attorney/Agent) 34,811 Telephone 10 248-6	
(Attorney/Agent) 34,811 Telephone MA 248-64	1-1600
Name (Print/Type) Linda M. Deschere Date 24 Meur	106

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

fication No.:

09/775,106

Filing Date:

February 1, 2001

Applicant:

Gerard A. Mourou et al.

Group Art Unit:

1725

Examiner:

Geoffrey S. Evans

Title:

METHOD FOR CONTROLLING CONFIGURATION OF LASER

INDUCED BREAKDOWN AND ABLATION

Attorney Docket:

2115D-000939/DVC

Director of the United States Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

11. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:					
U.S. Serial Number	U.S. Filing Date				
C. This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should					
have been supplied to the USPTO under to believed to be in the file of the above-identified					
CONCISE EXPLANATION OF THE RELEVANO	CE (check <u>at least</u> one box)				
A. Except as may be indicated below in (B) other information are in the English language (continuous).					
B. A concise explanation of the relevance of information listed that is not in the English lang § 1.98(a)(3)):					
1. See the attached foreign pater counterpart foreign application:	nt office communication from a				
2. English translations are provided:					
See Form 1449: Abstract provided.					
3. Other:					
Identified by Examiner in related case 90)/007,102.				
C. The following additional information consideration.	is provided for the Examiner's				

ÎIII.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. \boxtimes The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.	<u>Filing Date</u>	<u>Art Unit</u>
90/007,102	06/25/2004	1725
09/775,069	02/01/2001	1725

V. THIS IDS IS BEING FILED UNDER

٠...

A. 37 C.F.R. § 1.97(b): (check only one box)

- 1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
- 2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
- 3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- 4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. **37 C.F.R. § 1.97(c):** (check <u>only</u> one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

- 1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
- 2.
 See the certification below. No fee is required.

	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
	B. \square no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. 1.704(d)
•	The undersigned hereby states that:
•	☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. A check in the amount of \$180.00 is enclosed for the above identified fee.
- B. Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 24 Maril 06

Linda M. Deschere

Req. No. 34,811

Harness, Dickey & Pierce, P.L.C. P.O. Box 828

Bloomfield Hills, Michigan 48303

(248) 641-1600

LDES/mm

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE E (Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.
2115D-000939/DVC	09/775,106
APPLICANT	
Gerard A. Mourou	
FILING DATE	GROUP
February 1, 2001	1725

FORE	IGN PATEN	IT DOCUMENTS					
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		JP 03216287 A	09/24/1991	Japan		Abstract	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)			
Ref. Desig.	Examiner's Initials		
1/		Mannion et al., "Ablation Thresholds in Ultrafast Laser Micro-Machining of Common Metals in Air, Proceedings of SPIE, Vol. 4876 (2003), pages 470-478.	
2.		S. Amoruso et al., "Characterization of Laser-Ablation Plasmas", J. Phys. B: At. Mol. Opt. Phys. 32 (1999) R131-R172, section 2.1.1.	
3.		Kautek et al., Laser Ablation of Dielectrics with Pulse Durations Between 20 fs and 3 ps, Appl. Phys. Lett. 69(21), November 18, 1996, pages 3146-3148.	
4.		J. Bonse et al., Ultrashort-Pulse Laser Ablation of Indium Phosphide in Air, Appl. Phys. A Volume 72, Issue 1, pages 89-94 (2001).	
5.		S. Preuss et al., Time Resolved Dynamics of Subpicosecond Laser Ablation, Appl. Phys. Lett, Vol. 62, No. 23, June 7, 1993.	
6.		Schwab et al., Femtosecond-Excimer-Laser Patterning of YBa ₂ Cu ₃ O ₇ Films, Appl. Phys. A, Volume 53, (1991), pages 282-283.	
7.		Chen et al., Generation of Submicron Surface Gratings on LiNbO₃ by Ultrashort UV Laser Pulses, Appl. Phys. A, Volume 65, Pages 517-518 (1997).	

Examiner: Date Considered:	Examiner:	Date Considered:	
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